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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/550,577 Filing Date September 22, 2005 First Named Inventor Shinii HAYASHI Art Unit 1712 Evaminer Name Attorney Docket Number 37569-412500

(Use as many sheets as necessary) 4

	U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
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	FOREIGN PATENT DOCUMENTS								
Examiner initials*	Cite No.	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁰			
		JP 10-221848	08/21/1998	Nan Ya Plast Corp					
		JP 2003-015288	01/15/2003	JSR Corp					
		JP 2003-021839	01/24/2003	ADMS Technology					
		JP 2000-250217	09/14/2000	Dai Nippon Printing					
		JP 2000-298340	10/24/2000	Mitsubishi Chemicals					

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known Application Number 10/550,577 Filing Date September 22, 2005 First Named Inventor Shinji HAYASHI Art Unit 1712 Examiner Name

37569-412500 Sheet U. S. PATENT DOCUMENTS Examiner Cite No. Document Number **Publication Date** Name of Patentee or Pages, Columns, Lines, Where initials* MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Number-Kind Code² (I Incom) Figures Appear US-US. USus-USus-HS. HS-US-US-USus. US-US 115-US-US-

FOREIGN PATENT DOCUMENTS						
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Initials*	No.1	Country Code ³ "Number ⁴ "Kind Code ⁸ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
		JP 10-287822	10/27/1998	Mitsubishi Chem Corp		T
		JP 10-176014	06/30/1998	Daicel Chem Ind Ltd		
		JP 2002-293837	10/09/2002	Dai Nippon Printing		Г
		JP 2002-341531	11/27/2002	Dai Nippon Printing		
		JP 2002-341530	11/27/2002	Tokyo Ohka Kogyo		

Examiner Signature	/Susan Berman/	Date Considered	08/03/2008

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Application Number 10/550,577

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT U. S. PATENT DOCUMENTS Examiner Cite Document Number Publication Date Name of Patentee or Pages, Columns, Lines, Where Initials* No. MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Number-Kind Code^{2 (Kinowa} Figures Appear us-US-USus. us-119. US-110 usus-118 US-US-119. US-115 US-

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		JP 11-172150	06/29/1999	Dai Nippon Printing			
		JP 2000-105456	04/11/2000	Dai Nippon Printing			
		JP 2001-091954	04/06/2001	Toppan Printing			
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				Art Unit	1712
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Sheet	4	of	4	Attorney Docket Number	37569-412500

NON PATENT LITERATURE DOCUMENTS						
Cite No.1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
	H. KAMIYA, "Development of One Drop Fill Technology for AM-LCDs", SID 01 Digest 56.3, pp 1354-1357 / 2001.					
		Cite No.! Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. H. KAMIYA, "Development of One Drop Fill Technology for AM-LCDs", SID 01 Digest 56.3, pp 1354-1357 / 2001.				

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